

Claims:

What is claimed is:

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1. A blended composition of unsaturated block copolymer comprising:
at least one unsaturated block copolymer; and
a compatibilizer selected from the group consisting of (1) high melt flow
rate homopolymers or copolymers; (2) styrene-ethylenepropylene-
styrene (SEPS); (3) ethylene vinyl acetate (EVA); (4) styrene-
butadiene- styrene (SBS), or styrene-isoprene-styrene (SIS) block
copolymers; (5) single site catalyzed polyolefins, such as metallocene
catalyzed and constrained geometry polyolefins; (6) amorphous poly
alpha olefin homopolymer and copolymers; and (7) a combination of
such.

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2. The composition of claim 1 wherein said unsaturated block copolymer is a styrene-
isoprene-styrene block copolymer.

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3. The composition of claim 1 wherein said compatibilizer is a high melt flow rate
polymer having a melt flow rate of at least about 20 g/10 min.

4. The composition of claim 3 wherein said compatibilizer is a high melt flow rate
polymer having a melt flow rate of at least about 30 g/10 min.

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5. The composition of claim 4 wherein said compatibilizer is a high melt flow rate
polymer having a melt flow rate of at least about 40 g/10 min.

6. The composition of claim 3 wherein said compatibilizer is a high melt flow rate
polymer having a melt flow rate of between about 20 g/10 min. and 50 g/10 min.

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7. The composition of claim 1, wherein said blended block copolymer and
compatibilizer are present in a ratio from about 95:5 to about 80:20.

8. The composition of claim 1 wherein said unsaturated block copolymer is a styrene-isoprene-styrene block copolymer and said compatibilizer is a styrene-butadiene-styrene block copolymer.
- 5 9. The composition of claim 8 wherein said styrene-isoprene-styrene and styrene-butadiene-styrene are present in said blended composition in a ratio of about 2:1.
10. The composition of claim 1 wherein said blended unsaturated block copolymer includes a polyolefinic polymer.
- 10 11. The composition of claim 10, wherein said blended block copolymer and compatibilizer are present with said polyolefinic polymer in a ratio from about 20:80 to about 40:60 block copolymer and compatibilizer to polyolefinic polymer.
- 15 12. The composition of claim 10, wherein said blended block copolymer and compatibilizer are present with said polyolefinic polymer in a ratio from about 95: 5 to about 80:20 block copolymer and compatibilizer to polyolefinic polymer.
- 20 13. The composition of claim 1 wherein said compatibilizer is a styrenic block copolymer having a high melt flow rate, with a styrene content by weight of at least ten percent.
- 25 14. The composition of claim 13 wherein said compatibilizer is a styrenic block copolymer having a high melt flow rate, with a styrene content by weight of at least twenty percent.
- 30 15. The composition of claim 14 wherein said compatibilizer is a styrenic block copolymer having a high melt flow rate, with a styrene content by weight of at least thirty percent.
- 35 16. The composition of claim 15 wherein said compatibilizer is a styrenic block copolymer having a high melt flow rate, with a styrene content by weight of at least forty percent.
17. A method for producing elastic film or filaments from a blended unsaturated styrenic block copolymer comprising the steps of:

- 5 a) blending either a styrene-isoprene-styrene (SIS) or styrene-butadiene-styrene (SBS) block copolymer with a compatibilizer selected from the group consisting of (1) high melt flow rate homopolymers or copolymers; (2) styrene-ethylenepropylene-styrene (SEPS); (3) ethylene vinyl acetate (EVA); (4) SBS, or SIS block copolymers; (5) single site catalyzed polyolefins, such as metallocene catalyzed and constrained geometry polyolefins; (6) amorphous poly alpha olefin homopolymer and copolymers; and (7) a combination of such;
- 10 b) extruding such blended polymer from step a) into either a film or series of filaments.
- 15 18. The method of claim 17 further comprising the step of bonding said elastic film or filaments to at least one nonwoven material.
19. The method of claim 18 wherein said bonding step is accomplished by ultrasonic bonding.
- 20 20. The method of claim 18 wherein said elastic film or filaments is bonded to two nonwoven materials.
21. The method of claim 18 wherein said nonwoven material is necked.
- 25 22. The method of claim 18 wherein said at least one nonwoven material is bonded to said film or filaments while said film or filaments are in a stretched condition.
23. The method of claim 17 wherein step a), said blend is comprised of styrene-isoprene-styrene block copolymer with styrene-butadiene-styrene block copolymer in a ratio of about 2:1 weight percent.
- 30 24. A method for producing an elastic film or filament laminate from an unsaturated styrenic block copolymer comprising the steps of:
- 35 a) providing a film or series of filaments, or extruding a film or series of filaments from a blend of either a styrene-isoprene-styrene or

5 styrene-butadiene-styrene block copolymer with a compatibilizer
 selected from the group consisting of (1) high melt flow rate
 homopolymers or copolymers; (2) styrene-ethylenepropylene-
 styrene (SEPS); (3) ethylene vinyl acetate (EVA); (4) SBS, or SIS
 block copolymers; (5) single site catalyzed polyolefins, such as
 metallocene catalyzed and constrained geometry polyolefins; (6)
 amorphous poly alpha olefin homopolymer and copolymers; and (7)
 a combination of such;

10 b) laminating said film or filaments to at least one sheet material.

25. The method of claim 24 wherein step a), said blend is comprised of styrene-
isoprene-styrene block copolymer with styrene-butadiene-styrene block copolymer
in a ratio of about 2:1 weight percent.

15 26. The method of claim 24 wherein said at least one sheet material is selected from a
nonwoven web, woven web, or foam.

27. The method of claim 24 wherein said at least one sheet material is selected from a
spunbond web, a meltblown web or a scrim.

20 28. The method of claim 24 wherein said at least one sheet material is necked.

29. A film or filaments made by the method of claim 17.

25 30. A laminate made by the method of claim 24.

31. A personal care product made with the film or filaments of claim 29.

32. A personal care product made with the laminate of claim 30.

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